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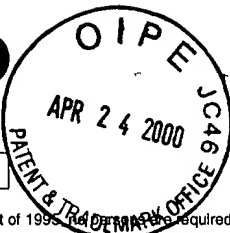
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Signature**

Date	Considered
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PTO/SB/06A (10-96)
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	Not Yet Assigned
				Filing Date	March 31, 2000
				First Named Inventor	Erik C. Cota-Robles
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	042390.P7920
Sheet	2	of	2		

OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)

Exam. Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
GO	1	Goldberg, R., "Survey of Virtual Machine Research," IEEE Computer Magazine 7(6), pp. 34-45, 1974.
GO	2	Gum, P.H., "System/370 Extended Architecture: Facilities for Virtual Machines," IBM J. Res. Develop, Vol. 27, No. 6, November 1983, pp. 530-544.
GO	3	Hall et al., "Virtualizing the VAX Architecture," ACM, pp. 280-389, 1991.
GO	4	Liu et al., "Scheduling Algorithms for Multiprogramming in a Hard-Real-Time Environment," Journal of the Association for Computing Machinery, Vol. 20, No. 1, Jan. 1973, pp.46-61.
GO	5	Stoica et al., "On the Duality between Resource Reservation and Proportional Share Resource Allocation," SPIE Proceedings Series, Vol. 3020, pp. 207-214, February 1997.
GO	6	Jones et al., "CPU Reservations and Time Constraints: Efficient, Predictable Scheduling of Independent Activities," Proceedings of ACM SOSP, 1997, pp. 1-26.
GO	7	Mercer et al., "Processor Capacity Reserves: Operating System Support for Multimedia Applications," Proc. IEEE Int'l Conf. on Multimedia Computing and Systems 1994, 10 pgs.
GO	8	Rosenblum, M., "VMware's Virtual Platform: A Virtual Machine Monitor for Commodity PCs," Proc. of the 13th Ann. Computer Security Applications Conf., 1997, pp. 175-181.
GO	9	Steere et al., "A Feedback-driven Proportion Allocator for Real-Rate Scheduling," Proc. of the 3rd USENIX Symposium on Operating Systems Design & Implementation, 2/99, 14 pgs.

Examiner Signature	<i>George Opre</i>	Date Considered	9/17/03.
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

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~~MAR 29 2002~~

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Examiner Signature	George Opie	Date Considered 5/17/03.	
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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



Electronic Information Disclosure Statement

Real-Time Scheduling of Virtual Machines

Application: 
09/541444

Confirmation: 3693

Applicant(s): Erik Cota-Robles

Docket
Number: 042390P7920

Group Art
Unit:





Examiner: Unassigned

search string: (4,278,837 or 4,307,214 or 4,366,537 or 4,521,852 or 5,075,842 or 5,022,077 or 5,255,379 or 5,293,424 or 5,421,006 or 5,459,869 or 5,473,692 or 5,479,509 or 5,568,552 or 5,615,263 or 5,657,445 or 5,717,903 or 5,729,760 or 5,764,969 or 5,796,845 or 5,805,712 or 5,835,594 or 5,844,986 or 5,890,189 or 5,937,063 or 5,978,481 or 5,987,557 or 6,014,745 or 6,058,478 or 6,158,546 or 6,175,925 or 6,178,509 or 6,205,550 or 6,282,651 or 6,282,657 or 20010037450).pn.

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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
50	P01	4,278,837	1981-07-14		Best		
50	P02	4,307,214	1977-07-19		Birney, et al.		
50	P03	4,366,537	1982-12-28		Heller, et al.		
50	P04	4,521,852	1985-06-		Gutttag		

			04		
	P05	5,075,842	1991-12-24		Lai
60	P06	5,022,077	1991-06-04		Bealkowski, et al.
60	P07	5,255,379	1993-10-19		Melo
60	P08	5,293,424	1994-03-08		Hotley, et al.
60	P09	5,421,006	1995-05-30		Jablon, et al
60	P10	5,459,869	1995-10-17		Spilo
60	P11	5,473,692	1995-12-05		Davis
60	P12	5,479,509	1995-12-26		Ugon
60	P13	5,568,552	1996-12-22		Davis
60	P14	5,615,263	1997-03-25		Takahashi
60	P15	5,657,445	1997-08-12		Pearce
60	P16	5,717,903	1998-02-10		Bonola
60	P17	5,729,760	1998-03-17		Poisner
60	P18	5,764,969	1998-06-09		Kahle, et al.
60	P19	5,796,845	1998-08-18		Serikawa, et al.
60	P20	5,805,712	1998-09-08		Davis
60	P21	5,835,594	1998-11-10		Albrecht, et al.
60	P22	5,844,986	1998-12-01		Davis
			1999-03-		

	P23	5,890,189	03		Nozue, et al.
60	P24	5,937,063	1999-08-10		Davis
60	P25	5,978,481	1999-11-02		Ganesan, et al.
60	P26	5,987,557	1999-11-16		Ebrahim
60	P27	6,014,745	2000-01-11		Ashe
60	P28	6,058,478	2000-05-02		Davis
60	P29	6,158,546	2000-12-12		Hanson, et al.
60	P30	6,175,925	2001-01-16		Nardone, et al.
60	P31	6,178,509	2001-01-23		Nardone, et al.
60	P32	6,205,550	2001-03-20		Nardone, et al.
60	P33	6,282,651	2001-08-28		Ashe
60	P34	6,282,657	2001-08-28		Kaplan, et al.

Published Applications

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
60	U01	20010037450	2001-11-01		Metlitski, et al.		

Remarks

(Remarks are not for responding to an office action.)

Applicants, in accordance with their duty of disclosure under 37 CFR 1.56 and in accordance with 37

CFR 1.97(b)(3), hereby submit this Electronic Information Disclosure Statement citing U.S. Patent Documents for consideration by the Examiner. * Pursuant to 37 CFR 1.97, the submission of this Electronic Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability. * This Information Disclosure Statement is being filed prior to a substantive examination of the claims. Pursuant to 37 CFR 1.97(b), no fee should be required for the filing of this Information Disclosure Statement. In the event it is determined that a fee is due, please charge the fee to Deposit Account 02-2666. * Applicants respectfully requests that the cited documents be considered and that the form be initialed by the Examiner to indicate such consideration and a copy thereof be returned to Applicants' attorney of record. *

Signature

Examiner Name	Date
GEORGE OPIE	9/17/03.

Substitute for Form 1449A/PFO (Modified)		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/541,444
		Filing Date	3/31/2000
		First Named Inventor:	Erik C. Cota-Robles
		Group Art Unit	2763
		Examiner Name	Unassigned
		Attorney Docket Number	042390.P7920
Sheet 1	of 2		
OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
G.O		HEINRICH, J., "MIPS R4000 Microprocessor User's Manual," April 1, 1993, MIPS, MT. VIEW, XP002184449, pp. 61-97.	
G.O		"M68040 USER'S MANUAL," 1993, MOTOROLA, INC., pp. 1-20	
G.O		"INTEL 386 DX MICROPROCESSOR 32-BIT CHMOS MICROPROCESSOR WITH INTEGRATED MEMORY MANAGEMENT," 12/31/95, INTEL, INC., pp. 32-56; figures 4-14	
G.O		BERG, C., "HOW DO I CREATE A SIGNED APPLETT?," DR. DOBB'S JOURNAL, M&T Publ., Redwood City, CA, US, Vol. 22, No. 8, 8/97, pp. 109-111, 122	
G.O		GONG, L., et al., "GOING BEYOND THE SANDBOX: AN OVERVIEW OF THE NEW SECURITY ARCHITECTURE IN THE JAVA DEVELOPMENT KIT 1.2," Proceedings of the Userix Symposium on the Internet Technologies and Systems, Monterrey, CA 12/97, pp. 103-112.	
G.O		GOLDBERG, R., "Survey of virtual machine research," IEEE Computer Magazine 7(6), pp. 34-45, 1974.	
G.O		GUM, P.H., "System/370 Extended Architecture: Facilities for Virtual Machines," IBM J. Research Development, Vol 27, Number 6, pp. 530-544, November 1983	
G.O		ROSENBLUM, M. "Vmware's Virtual Platform: A Virtual Machine Monitor for Commodity PCs," Proceedings of the 11th Hotchips Conference, pp. 185-196, August 1999.	
G.O		LAWTON, K., "Running Multiple Operating Systems Concurrently on an IA32 PC Using Virtualization Techniques," http://www.plex86.org/research/paper.txt ; 8/9/2001; pp. 1-31.	
G.O		"Trust Computing Platform Alliance (TCPA)," Main Specification Version 1.1a, Compaq Computer Corporation, Hewlett-Packard Company, IBM Corporation, Intel Corporation, Microsoft Corporation, December 2001.	

Examiner Signature	<i>George Oprie</i>	Date Considered	9/17/03
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Examiner Signature	George Opie	Date Considered	9/17/03.
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Substitute for Form 1449A/PTO (Modified)

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

2

Complete if Known

Application Number

09/541,444

Filing Date

March 31, 2000

First Named Inventor:

Erik C. Cota-Robles

Group Art Unit

2763

Examiner Name

Unassigned

Attorney Docket Number

042390P7920

OTHER ART - NO PATENT LITERATURE DOCUMENTS

Examiner
Initials*Cite
No.¹

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

T²

Heinrich, J., "MIPS R4000 Microprocessor User's Manual," 1994, MIPS Technology, Inc., Mountain View, CA, pp. 67-79.

Heinrich, J. "MIPS R4000 Microprocessor User's Manual," April 1, 1993, MIPS, Mt. View, XP002184449, pp. 61-97.

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Electronic Information Disclosure Statement

Real-Time Scheduling of Virtual Machines

Application:



09/541444

Confirmation: 3693

Applicant(s): Erik Cota-Robles

Docket Number: 42390P7920

Group Art Unit: 2763

Examiner: Unassigned

search string:

(4037214 or 5079737 or 5386552 or 5628022 or 5737760 or 5757919 or 5852717 or 5872994 or 6055637 or 6085296 or 6125430 or 6148379 or 6192455 or 6249872 or 6272533 or 6292874 or 6301646 or 6321314 or 6339815 or 6339816 or 6499123 or 6505279 or 20010021969 or 20010027527).pn.

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US Patent Documents



Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
870	P01	4037214	1977-07-19		Birney, et al.	—	—
670	P02	5079737	1992-01-07		Hackbarth	—	—
470	P03	5386552	1995-01-31		Garney	—	—
570	P04	5628022	1997-05-06		Ueno, et al.	—	—

60	P05	5737760	1998-04-07		Grimmer, Jr., et al.
60	P06	5757919	1998-05-26		Herbert, et al.
60	P07	5852717	1998-12-22		Bhide, et al.
60	P08	5872994	1999-02-16		Akiyama, et al.
60	P09	6055637	2000-04-25		Hudson, et al.
60	P10	6085296	2000-07-04		Karkhanis, et al.
60	P11	6125430	2000-09-26		Noel, et al.
60	P12	6148379	2000-11-14		Schimmel
60	P13	6192455	2001-02-20		Bogin, et al.
60	P14	6249872	2001-06-19		Wildgrube, et al.
60	P15	6272533	2001-08-07		Browne
60	P16	6292874	2001-09-18		Barnett
60	P17	6301646	2001-10-09		Hostetter
60	P18	6321314	2001-11-20		Van Dyke
60	P19	6339815	2002-01-15		Feng, et al.
60	P20	6339816	2002-01-15		Bausch
60	P21	6499123	2002-12-24		McFarland, et al.
60	P22	6505279	2003-01-07		Phillips, et al.

Published Applications

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
670	U01	20010021969	2001-09-13		Burger, et al.	✓	✓
670	U02	20010027527	2001-10-04		Khidekel, et al.	✓	✓

Remarks

(Remarks are not for responding to an office action.)

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Signature

Examiner Name	Date
<div style="font-family: cursive; font-size: 1.2em; display: inline-block; margin-right: 20px;">GEORGE</div> <div style="font-family: cursive; font-size: 1.2em; display: inline-block;">D.P.E</div>	<div style="font-family: cursive; font-size: 1.2em;">9/17/03</div>

**Complete if Known**

(use as many sheets as necessary)

Application Number	09/541,444
Filing Date	3/31/00
First Named Inventor:	Cota-Robles, et al.
Group Art Unit	2763
Examiner Name	Unassigned
Attorney Docket Number	042390.1

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Sheet	1	of	1
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